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TRANSMITTAL					Application Number		10/628,281	
FORM					Filing Date		July 28, 2003	
(to be used for all corre	espondence after ini	tial filing)		First Named Inventor		Michael P. Harrold	
					Group Art Unit		To Be Assigned	
					Examiner Name		To Be Assigned	
	Total Number o	f Pages in This Sub	mission	15	Attorney Docket Num	ber	5010-036-01	
			ENCLOS	URE	S (check all that apply	y)		
	Fee Transmittal F	orm)raw	ing(s)		Appeal Communication to Board of Appeals and Interferences	
	Amendment / Reply			icen	sing-related Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)	
				etiti	on		Proprietary Information	
				Petition For Extension of Time			Status Letter	
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					inal Disclaimer		Form PTO-1449 (2 sheets) and four (4) Documents	
\boxtimes	Information Disclosure Statement			Request for Refund				
	Certified Copy of Priority Document(s)			D, 1	Number of CD(s)			
	Response to Missing Parts/ Incomplete Application			After Allowance Communication to Group				
Response to Missing Parts under 37 CFR 1.52 or 1.53		Remarks Custome		er No. 35411				
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT								
Firm o Indivi	or dual name	Leonard D.	Bowersox	۲		,		
Signature Signature								
Date Optober 28, 2003								
CERTIFICATE OF MAILING Date: October 28, 2003 Label No. EV 348583737 US I hereby certify that, on the date indicated above, I deposited this paper with identified attachments and/or fee with the U.S. Postal Service and that it was addressed for delivery to Mail Stop DD, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, by "Express Mail Post Office to Addressee" service.								
Type or printed name Sandra Stocklinski					· · · · · · · · · · · · · · · · · · ·			
Signa	ture	Sanara	Stord	6le	neki	Date	October 28, 2003	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which his to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S> Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Commissioner for Patents, Washington, D.C. 20231. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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Sandra Stocklinski

Sandra Stocklinski

Name (Print)

Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/628.281

Confirmation No.:

To Be Assigned

Applicant

Michael P. Harrold July 28, 2003

Filed TC/A.U.

To Be Assigned

Examiner

To be Assigned

Attorney Docket No. :

5010-036-01

Customer No.:

35411

Mail Stop DD Commissioner for Patents P. O. Box 1450

Alexandria, VA 22313-1450

October 28, 2003

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants wish to bring to the attention of the U.S. Patent and Trademark Office the documents listed on the attached Forms PTO-1449 (two pages) and related applications that were previously filed with the U.S. Patent and Trademark Office. The above-identified application is a Continuation-in-Part of U.S. Patent Applications Nos. 10/414,179, filed April 14, 2003, and 10/426,587, filed April 30, 2003, and also claims the benefit of earlier filed U.S. Provisional Patent Applications Nos. 60/398,852 and 60/398,778, both filed July 26, 2002.

Copies of the non-patent publications are enclosed.

This Information Disclosure Statement is being submitted before expiration of the three-month period following filing of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in this application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

It is believed that no fee is required to make this a complete and timely filing. However, if it is determined that a petition or fee is required, the Commissioner is hereby authorized to charge any fee associated with this statement to our Deposit Account No. 50-0925 and please consider this a petition.

Respectfully submitted,

Leonard D. Bowersox Reg. No. 33,226

KILYK & BOWERSOX, P.L.L.C.

3603-E Chain Bridge Road Fairfax, Virginia 22030

Tel: (703) 385-9688 Fax: (703) 385-9719

Enclosures:

Form PTO-1449 (2 pages)

Copies of Four (4) Documents

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Complete if Known Substitute for form 1449A/PTO Application Number 10/628,281 July 28, 2003 Filing Date INFORMATION DISCLOSURE First Named Inventor Michael P. Harrold STATEMENT BY APPLICANT To Be Assigned Art Unit (use as many sheets as necessary) To Be Assigned **Examiner Name** 2 5010-036-01 Attorney Docket Number Sheet of **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, Where Document Number **Publication Date** Name of Patentee or Cite Examine Relevant Passages or Relevant MM-DD-YYYY Initials* Applicant of Cited Document Number - Kind Code2 (if known) Figures Appear 01-07-2003 Kristvanne et al. US-6,504,021 B2 04-30-2002 US-6,380,456 B1 Goldman US-6,338,361 B2 01-15-2002 Kao et al. US-6,102,897 08-15-2000 Lang 01-26-1993 Pike US-5,182,026 08-25-1992 Pike US-5,141,965 02-14-1989 Regnier et al. US-4,804,686 03-10-1987 US-4,648,975 Barkatt et al. 07-22-1986 US-4,601,305 Nordskog 09-10-1985 US-4,540,486 Ramsden US-4,415,631 11-15-1983 Schutiiser US-4,386,006 05-31-1983 Harrington US-US-US-US-US-US-US-US-**FOREIGN PATENT DOCUMENTS** Pages, Columns, Lines, Foreign Patent Document **Publication Date** Name of Patentee or Where Relevant Passages Examine MM-DD-YYYY Applicant of Cited Document Initials* Country Code3 - Number4 - Kind Code5 (if known) or Relevant Figures Appear

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Dandre Name: Sandra Stocklinski Signature

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Sheet		2	of	2	Attorney Docket	Number	5010-036-01	-	
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Examiner Initials*	Initials* No.1 city, and/or country where published. Wagner et al., A Fully Automated, Comprehensive and On-Line Multidimensional HPLC - System for						number(s), publisher,	T ²	
		Analysis of Proteins and Peptides Including Sample Preparation, ISPPP (2000) Grimm et al., Selective Extraction of Small Proteins from Biological Samples Using a Novel Restricted Ac							
		Machtejevas et al., Se	xcnan ample Mannin	Clean Up of Urine Using	Restricted Acces	INO. 11/1∠, pp /U. ss Strong Cation (Exchange Columns for		
		Column with Cation Exchange Properties, Chromatographia, Vol. 52, No. 11/12, pp 703-709 (December 2000) Machtejevas et al., Sample Clean Up of Urine Using Restricted Access Strong Cation Exchange Columns for Protein and Peptide Mapping, HPLC 2002 Symposium, Abstract No. 425 (2002) Kotchegarova et al., Evaluation of a Strong Cation-Exchanger Restricted Access Column for Peptide and Protein Separation, HPLC 2002 Symposium, Abstract No. 444 (2002)							
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